

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-732

Relating to Certification of New Heavy-Duty Motor Vehicle Engines

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102 and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That the following 1997 model-year Ford Motor Company Otto-cycle engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Gasoline

<u>Engine Family</u>	<u>Engine Displacement Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems and Special Features</u>
VFM7.5C8GARA (V7.5C)	7.5 (460)	Sequential Multiport Fuel Injection Exhaust Gas Recirculation Heated Oxygen Sensor Secondary Air Injection

Engine models and codes are listed on attachments.

The certification exhaust emission standards for this engine family in grams per brake horsepower-hour are:

<u>Total Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
1.9	37.1	5.0

The certification exhaust emission values for this engine family in grams per brake horsepower-hour are:

<u>Engine Family</u>	<u>Total Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
TFM7.5C8GARA	0.7	20.0	4.1

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachments.

Executed at El Monte, California this 20<sup>th</sup> day of March 1996.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY DUTY OTTO-CYCLE ENGINES

Manufacturer: Ford Motor Company Engine Family: VFM7.5C8GARA (V7.5C)

Displacement: 7.5L /        Liter 460 /        Cubic Inches

Maximum Rated Power: 255 HP @ 4000 RPM Engine Configuration V8

Fuel Type(s): Dedicated    Flex Fuel    Dual-Fuel    Gasoline X Diesel    M100   

M85    CNG    LNG    LPG    Other (specify)                     

Exhaust Control System and Special Features AIR, HO2S, EGR, SFI  
(Use abbreviations per SAE J1930 SEP91)

Engine Model (Engine Code)	Rated HP @ RPM	Ign. System or PCM	Fuel System Injtr	EGR Valve	Catalyst
		Part No. -12A650-	Part No. Part No. -9F593- -9F483-	Part No. -5E212-	

6-97B-R00	255 @ 4000	F6TF-BHA	F1TE-DA	F3TE-GA	N/A
-----------	------------	----------	---------	---------	-----

6-98B-R00	255 @ 4000	F6TF-AJA	F1TE-DA	F3TE-GA	N/A
-----------	------------	----------	---------	---------	-----

Comments: See 20.17.02.00-1 for abbreviations and 20.17.02.00-4 for evaporative emission family identification.

Engine Family: V7.5C

20.09.17.02 - 1

Issue Date: 2-12-96

Revised: